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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,362	12/28/2004	Kenji Sasaki	28951.5363	2987

27890 7590 03/08/2006

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EXAMINER

GARNER, ONDRIA L

ART UNIT PAPER NUMBER

2834

DATE MAILED: 03/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/519,362

Applicant(s)

SASAKI ET AL.

Examiner

Ondria Garner

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) 1-11 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>20060222</u> . | 6) <input type="checkbox"/> Other: ____  |

## DETAILED ACTION

### *Drawings*

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the first insulating end plate and the second insulating end plate are located on both end faces of the stator core, and a power supply terminal holding portion for holding the power supply terminal is located on the first insulating end plate and the first and the second insulating end plates have a pillar and the lead wire is fixed on the pillar must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner,

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the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Specification***

2. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1 – 4 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Neff (3979615). Neff teaches a motor comprising:
  - a. a stator (Fig. 10) having a winding wound in a stator core; and a rotor rotationally supported to face an internal diameter cylindrical surface of the stator core, wherein said stator is configured so that a plurality of power supply terminals each comprising a tab of a planar protrusion (110 –114, and 120) are located on an end face of the stator core, a power supply side end of the winding

is connected to the power supply terminal, and a lead wire having a flag type terminal attached thereto is connected to the power supply terminal in a direction intersecting a press-fitting direction into the tab, wherein the plurality of power supply terminals are arranged at the same height from the end face of the stator core and are inclined so that faces of the tabs thereof are not arranged on the same plane.

b. the plurality of power supply terminals (Fig. 10) is arranged on the same circle.

c. the lead wire is drawn from the end face where the power supply terminals are arranged to an opposite end face through adjacent teeth of a plurality of teeth stretched toward the internal diameter cylindrical surface of the stator core in a radius direction.

d. a first insulating end plate (Fig. 1) (19) and a second insulating end plate for insulating the stator core and the winding are located on both end faces of the stator core, and a power supply terminal holding portion for holding the power supply terminal is located on the first insulating end plate.

6. Referring to claim 11, Neff teaches the winding being a concentrated winding wound around each tooth stretched toward the internal diameter cylindrical surface of the stator core in a radius direction in figure 1.

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7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 5 – 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Neff in view of Hirose (JP 63121441 A). Neff teaches all of the aspects mentioned above in combination with Hirose who teaches an insulating end plate having a pillar (19) and the lead wire (14) being fixed on the pillar (19) wherein the insulating end plate has a plurality of walls (20, 21) arranged zigzag and the lead wire is fixed through the walls (Constitution). It would have been obvious to one of ordinary skill in the art at the time of the invention to have the insulating end plates with the pillars on both ends in order to brace the lead wire and prevent it from breaking.

9. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Neff in view of Voss et al (FR 2573584 A1). Neff teaches all of the aspects mentioned above in combination with Voss who teaches a power supply cover made of a nonconductive material and covering the flag type terminal in the abstract. It would have been obvious to one of ordinary skill in the art at the time of the invention to have the power supply cover made of a nonconductive material so as to not create a short circuit in the motor.

10. Referring to claim 10, Voss also teaches in the abstract, the first insulating end plate having a protrusion (5) for holding the power supply cover in figure 2 and the power supply cover having a hole (31) for engaging with the protrusion (5). It would

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have been obvious to one of ordinary skill in the art at the time of the invention to have a protrusion on the end plate to ensure the security and reception of the power supply cover.

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (US 4233534 A and US 3984712 A).

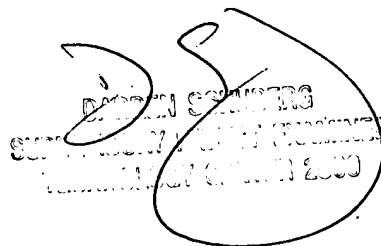
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ondria Garner whose telephone number is 571-272-8327. The examiner can normally be reached on Monday through Friday, 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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2/23/2006



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